

FIG.3A

120 PASSWORD TABLE

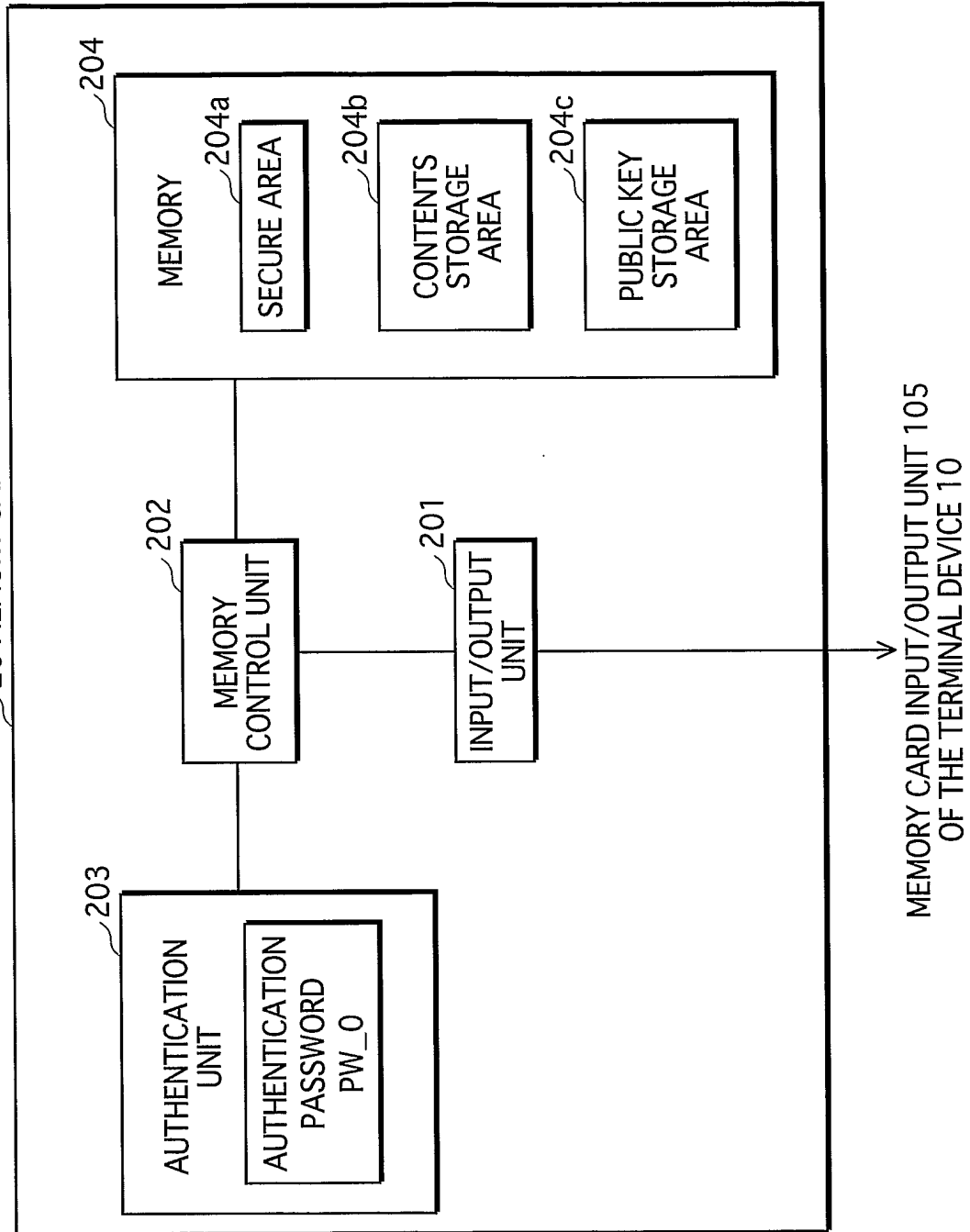
MEMORY CARD NUMBER	AUTHENTICATION PASSWORD	} 121
20	PW_0	
21	PW_1	
⋮	⋮	

FIG.3B

130 CRL

IDS OF INVALIDATED DEVICES
ID_0012
ID_0058
ID_0379
⋮

FIG. 4  
20 MEMORY CARD



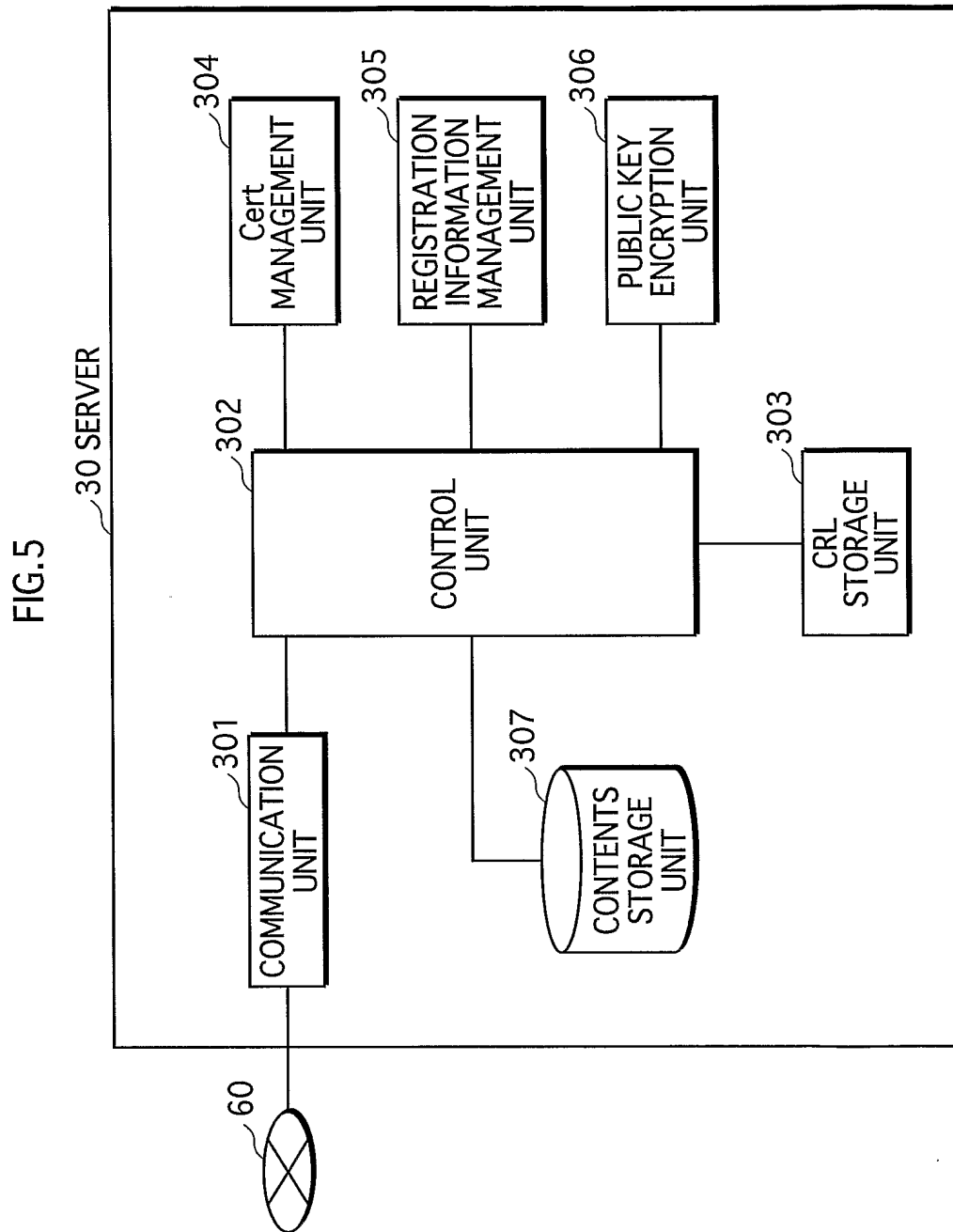


FIG. 6

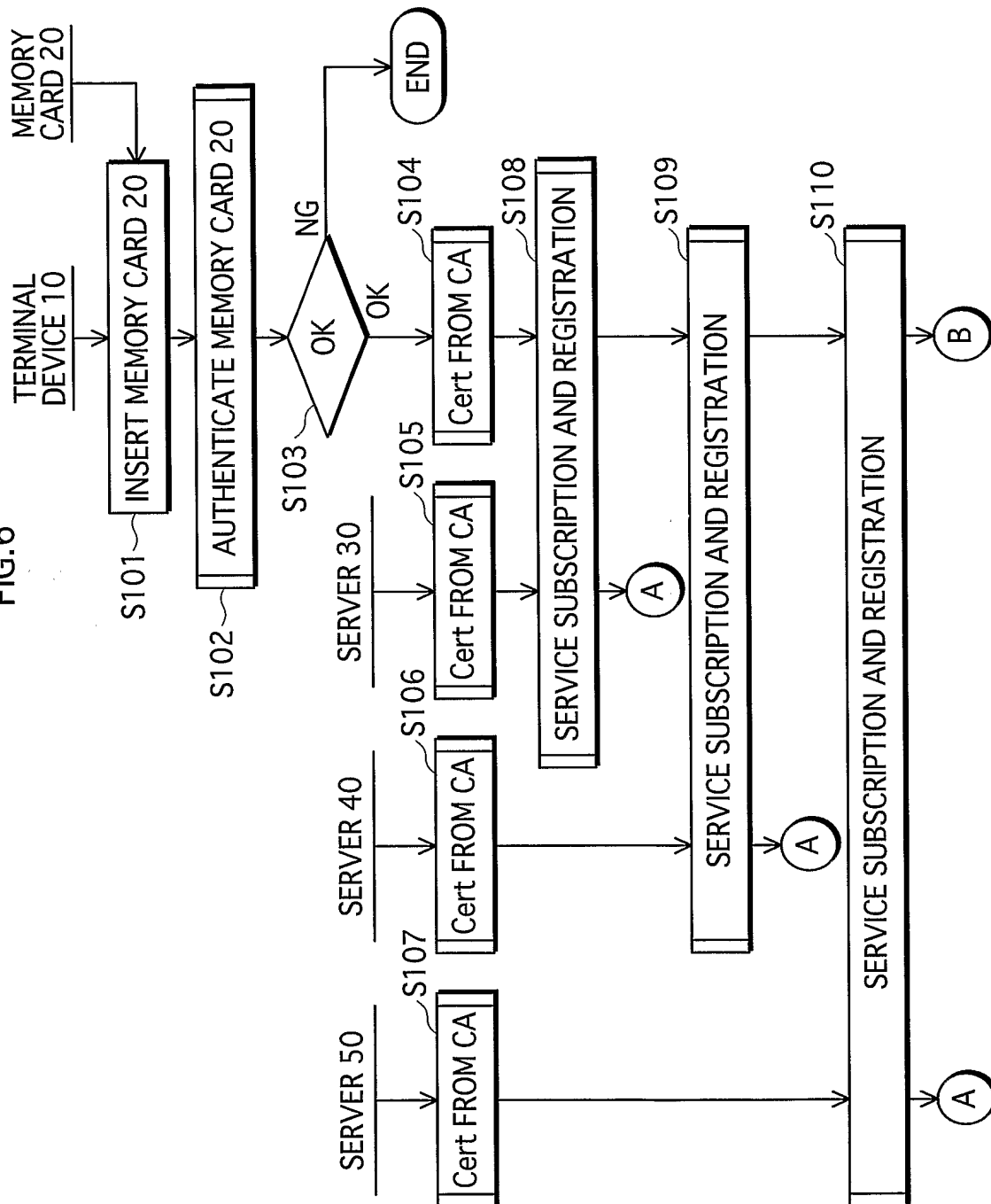


FIG.7

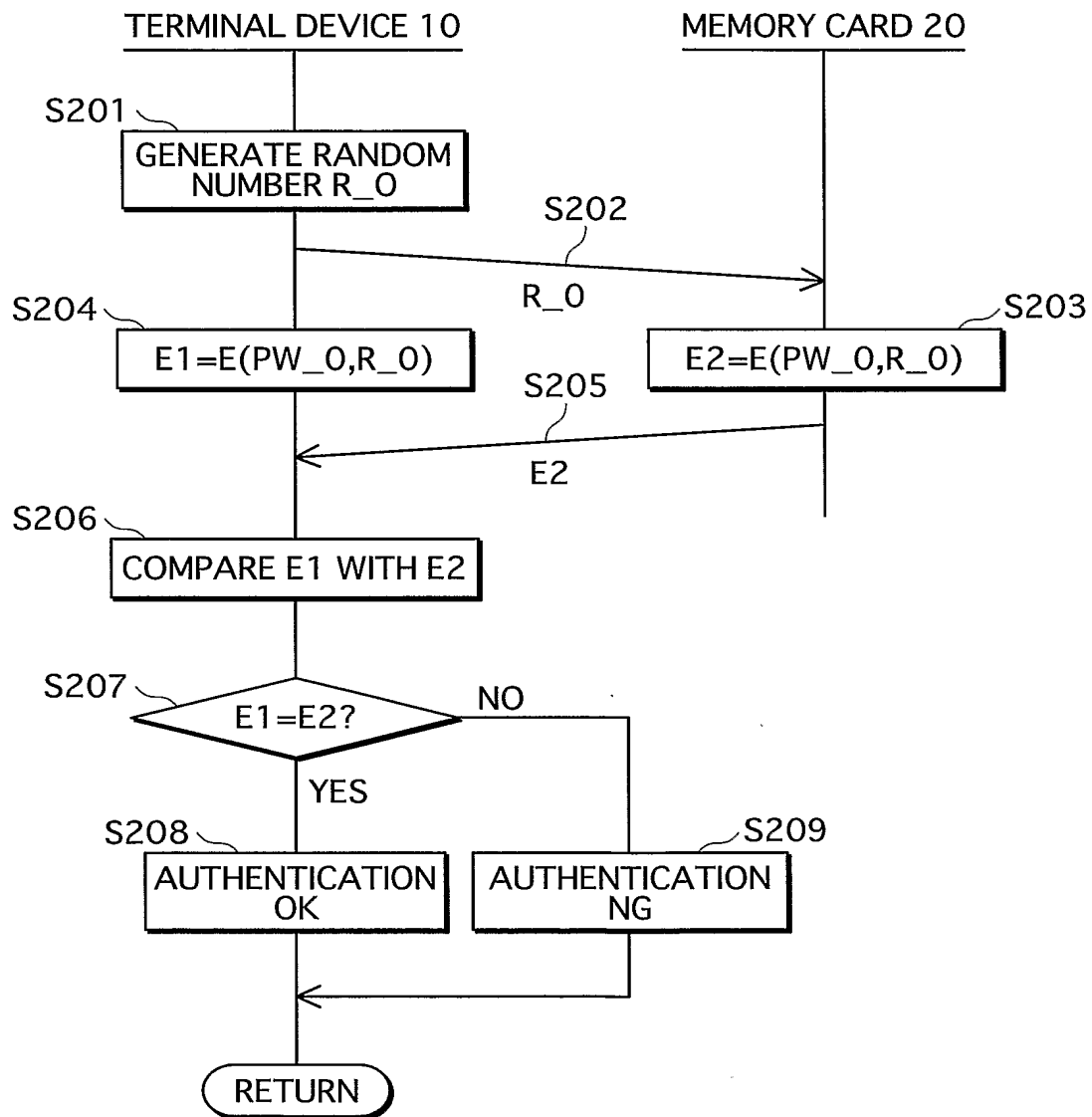
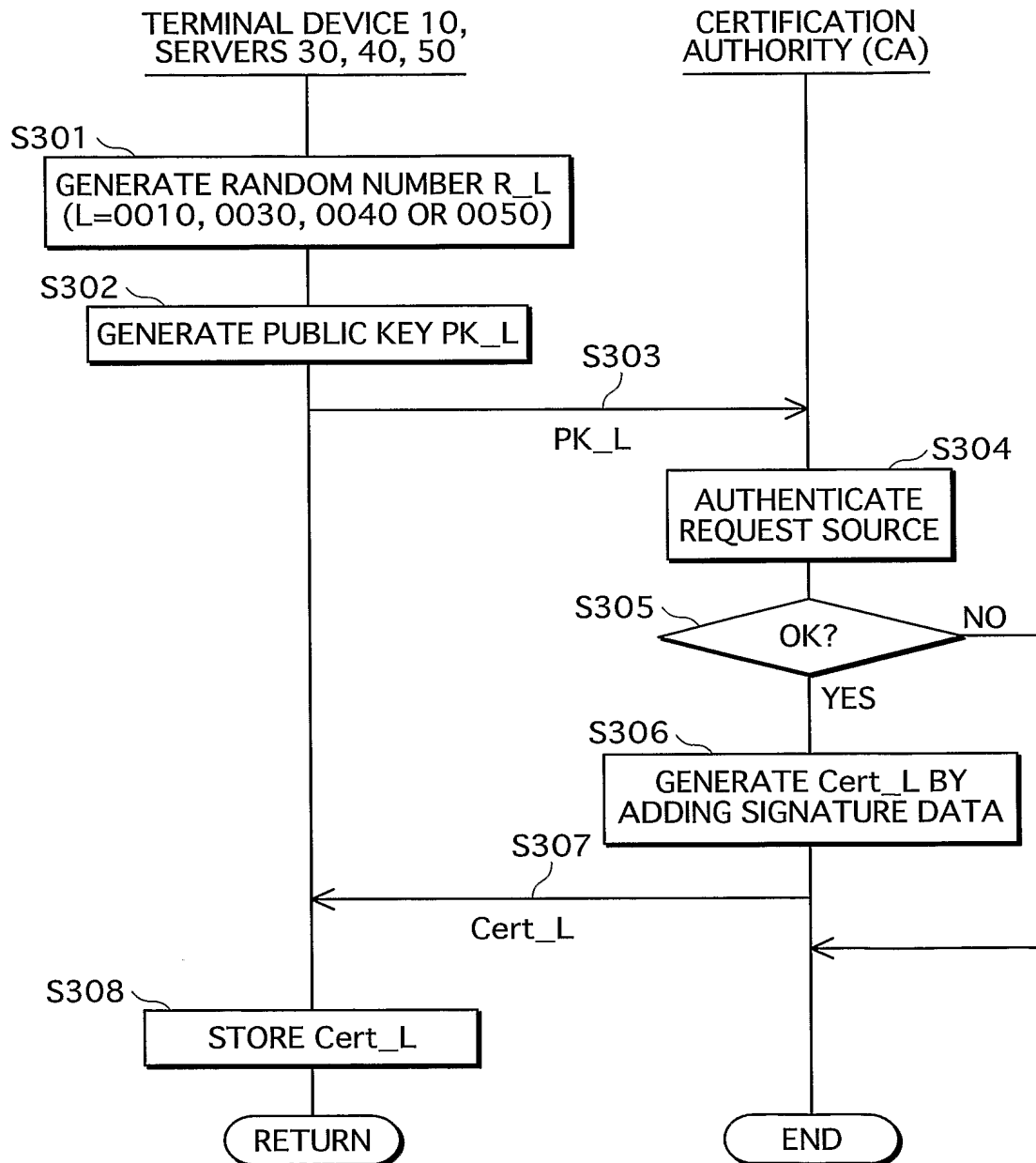


FIG.8





**FIG.9A** PUBLIC KEY CERTIFICATION OF  
TERMINAL DEVICE 10 ISSUED BY CA

ID_0010	140 Cert_0010
PK_0010	
Sig_0010CA	

**FIG.9B** PUBLIC KEY CERTIFICATION OF  
SERVER 30 ISSUED BY CA

ID_0030	150 Cert_0030
PK_0030	
Sig_0030CA	

**FIG.9C** PUBLIC KEY CERTIFICATION OF  
SERVER 40 ISSUED BY CA

ID_0040	160 Cert_0040
PK_0040	
Sig_0040CA	

**FIG.9D** PUBLIC KEY CERTIFICATION OF  
SERVER 50 ISSUED BY CA

ID_0050	170 Cert_0050
PK_0050	
Sig_0050CA	

FIG.10

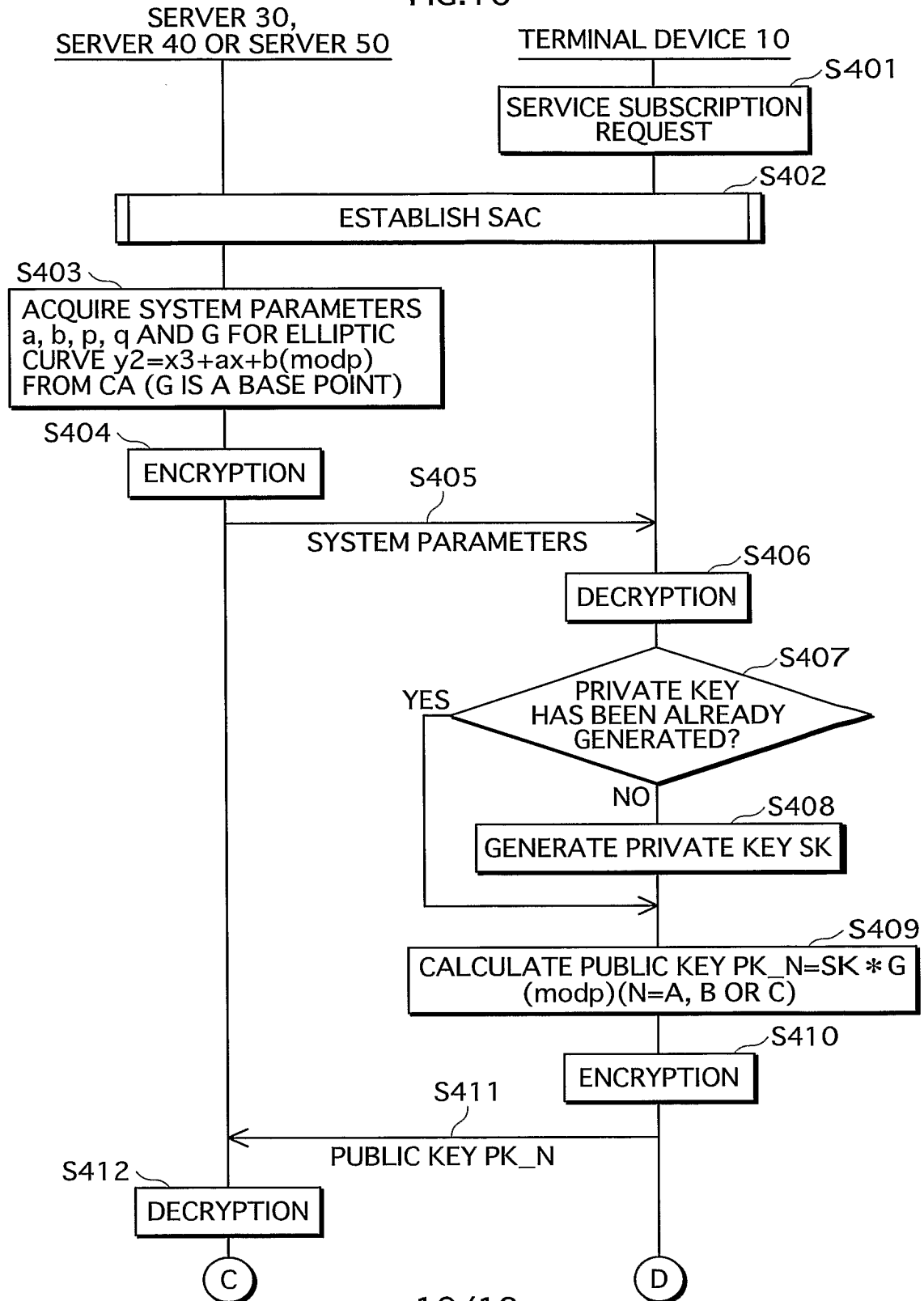


FIG. 11

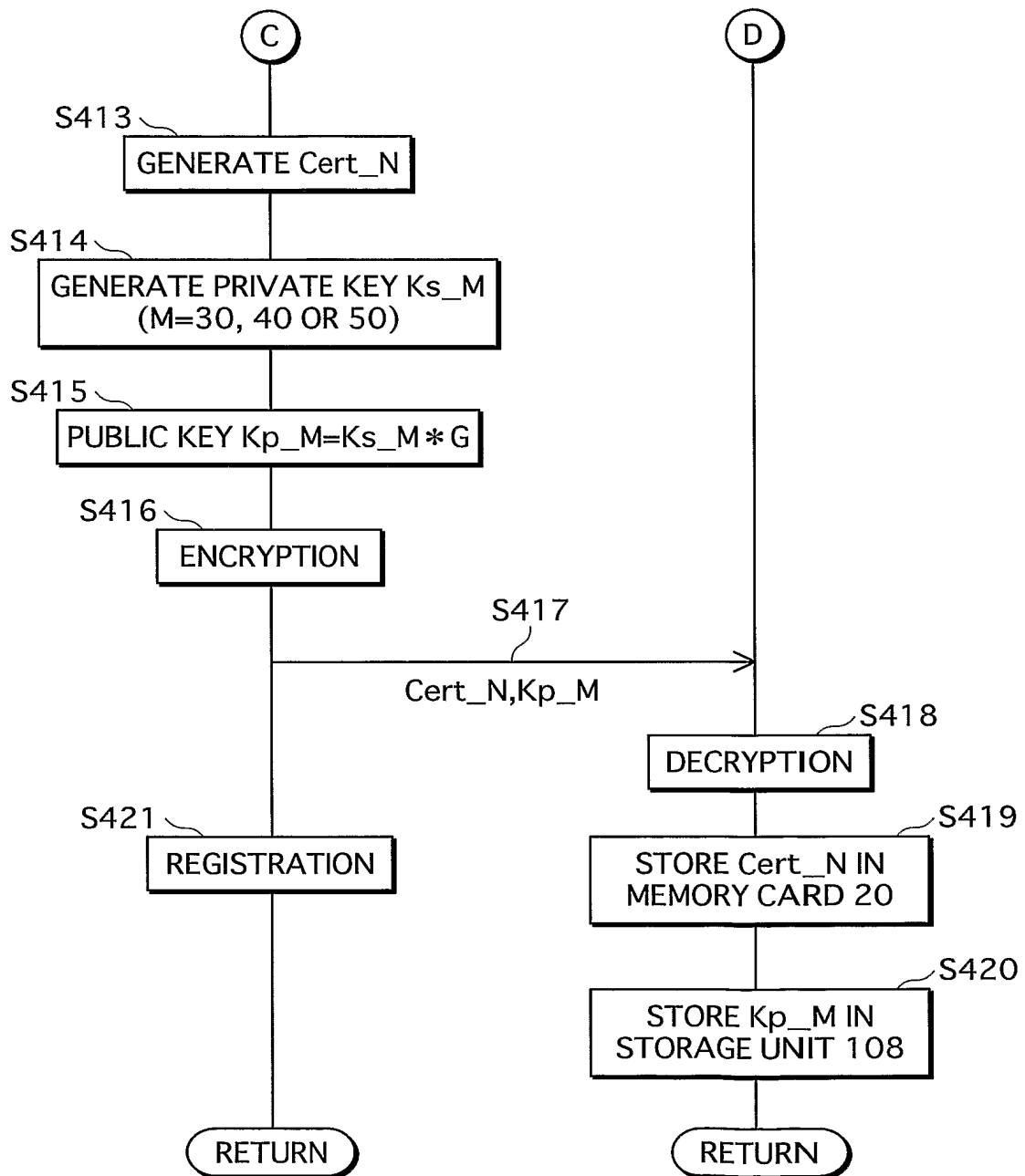


FIG.1 2A PUBLIC KEY CERTIFICATION ISSUED BY SERVER 30

SERVICE ID	SID_0123A	↙ 210 Cert_A
MEMBERSHIP NUMBER	NO_0001	
PUBLIC KEY	PK_A	
SIGNATURE DATA	Sig_A	

FIG.1 2B PUBLIC KEY CERTIFICATION ISSUED BY SERVER 40

SERVICE ID	SID_0321B	↙ 220 Cert_B
MEMBERSHIP NUMBER	NO_0025	
PUBLIC KEY	PK_B	
SIGNATURE DATA	Sig_B	

FIG.1 2C PUBLIC KEY CERTIFICATION ISSUED BY SERVER 50

SERVICE ID	SID_0132C	↙ 230 Cert_C
MEMBERSHIP NUMBER	NO_3215	
PUBLIC KEY	PK_C	
SIGNATURE DATA	Sig_C	

FIG. 13

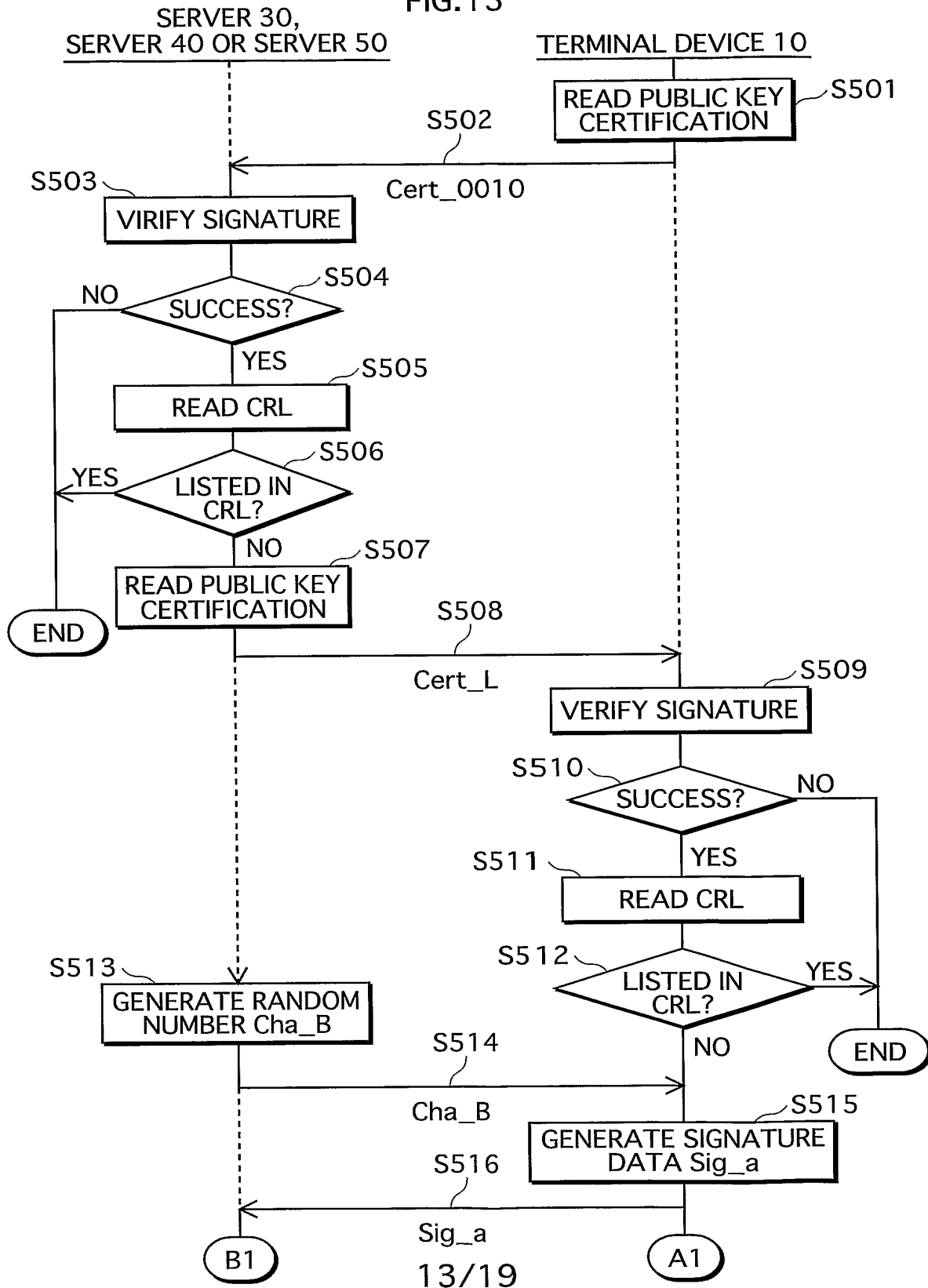


FIG.14

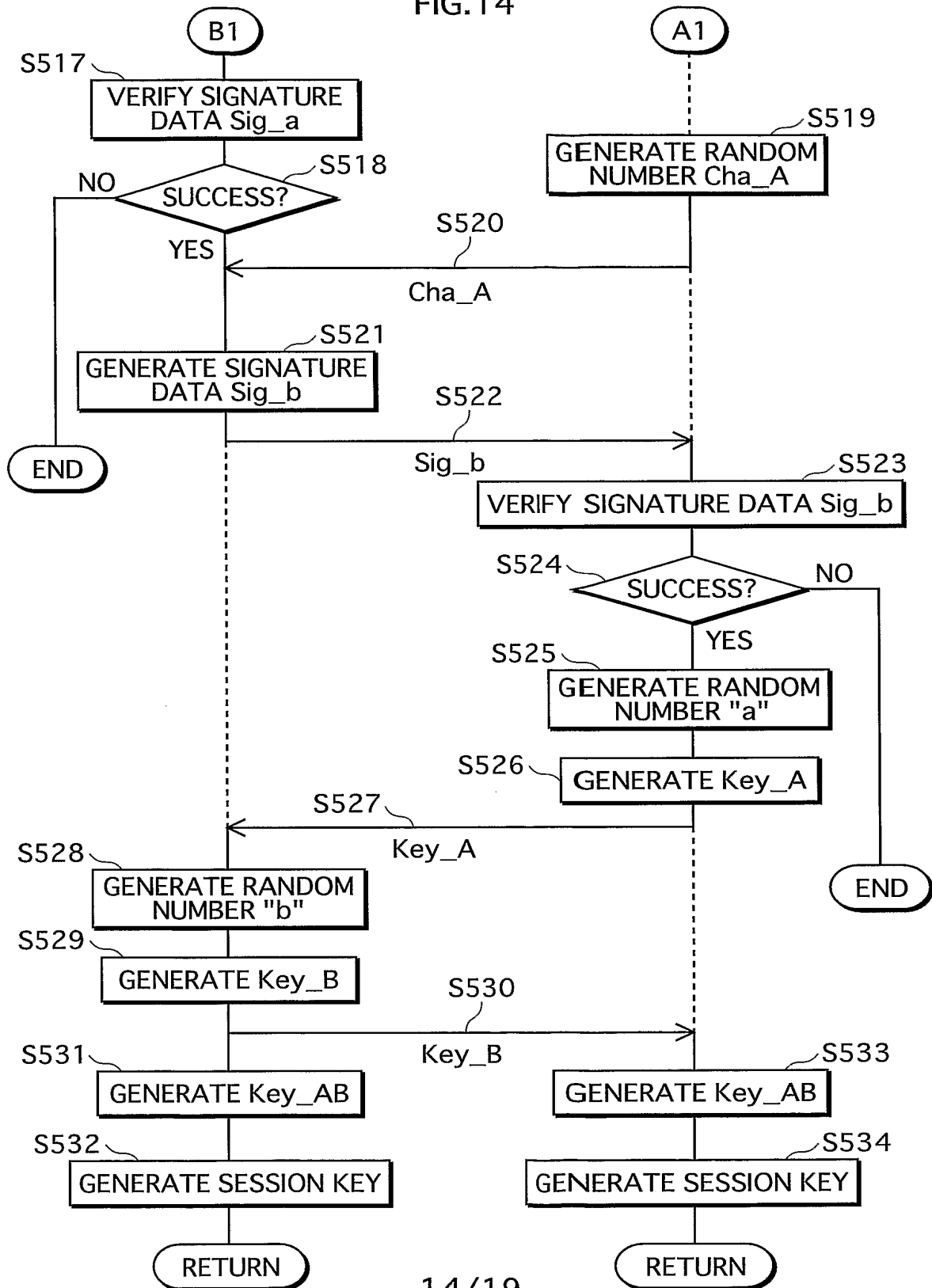


FIG.15

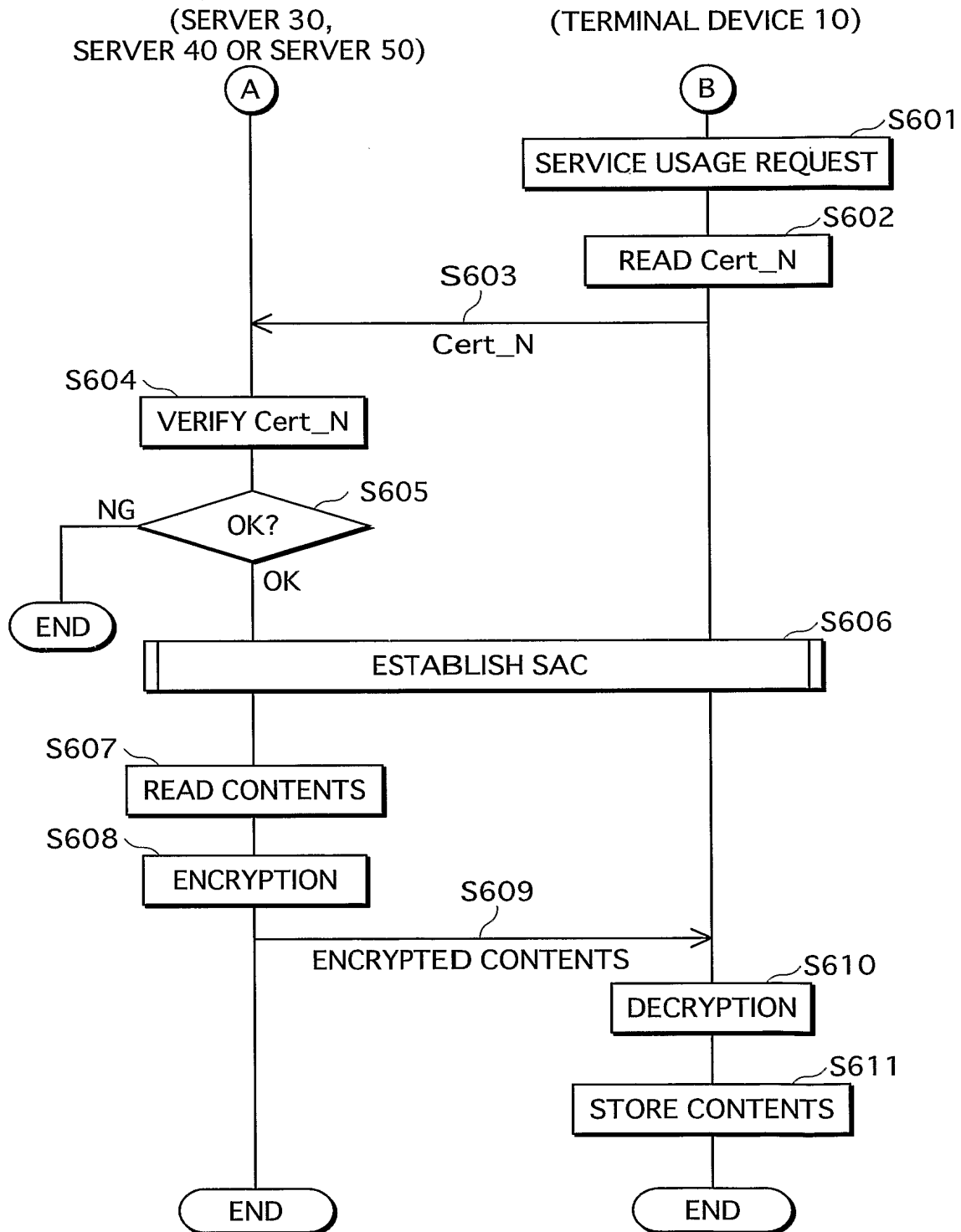


FIG. 16

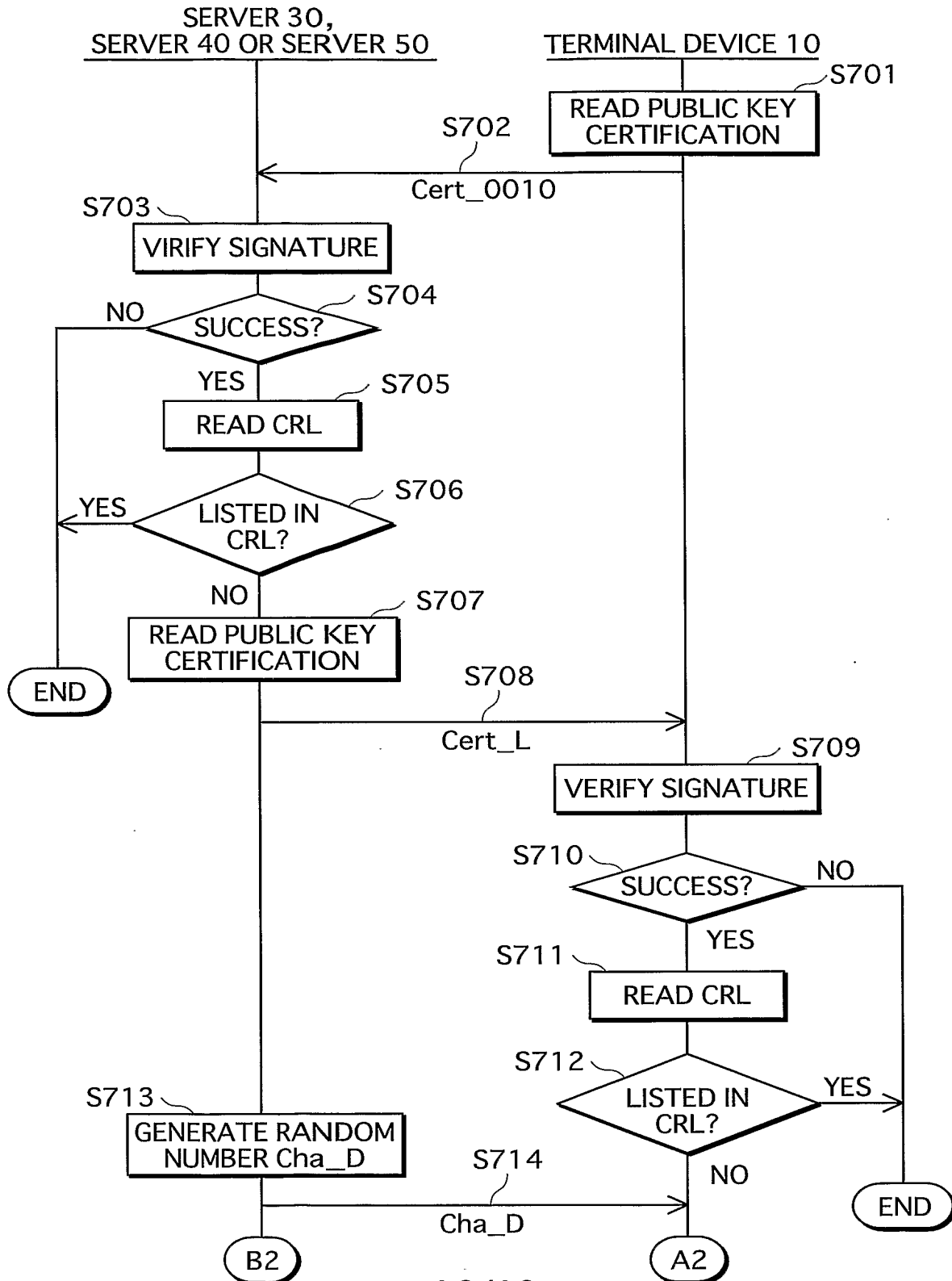




FIG.17

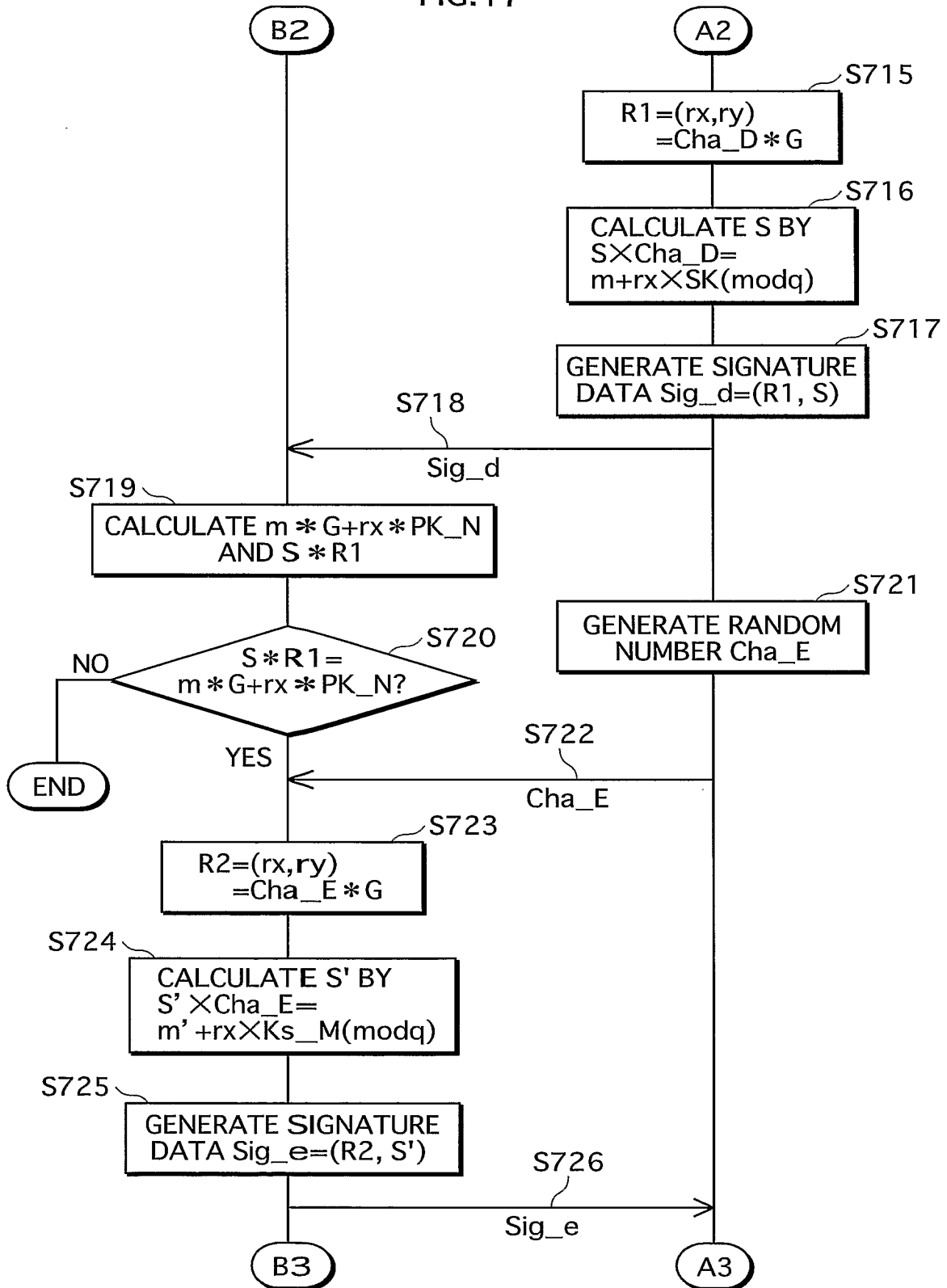


FIG. 18

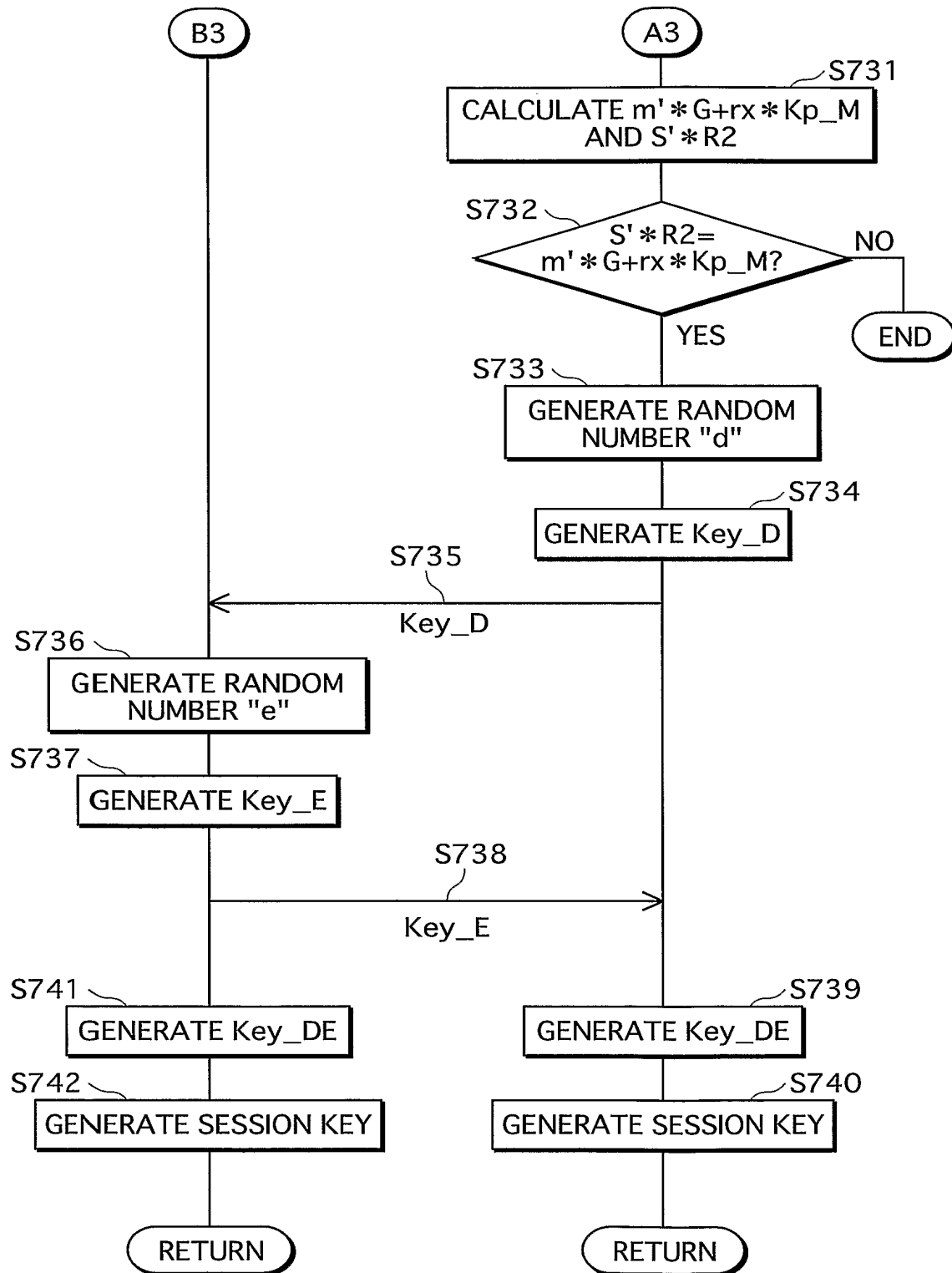


FIG.19

